

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 3, 2000, 18:59:08 : Search time 328.13 Seconds
(without alignments)
2843.411 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 attctgttcagtttaccctc.....ctgtgcctccatcagtgacg 6169

Scoring table:

IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 262060 seqs, 75620727 residues

Total number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/1na/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/1na/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/1na/5C.COMB.seq:*
4: /cgn2_6/ptodata/2/1na/5D.COMB.seq:*
5: /cgn2_6/ptodata/2/1na/6.COMB.seq:*
6: /cgn2_6/ptodata/2/1na/PCFUS.COMB.seq:*
7: /cgn2_6/ptodata/2/1na/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	640.4	10.4	1999	US-08-645-900A-2	Sequence 2, Appl1
2	640.4	10.4	1999	US-08-882-238A-2	Sequence 2, Appl1
3	640.4	10.4	1999	US-08-667-790A-2	Sequence 2, Appl1
4	638.8	10.4	1985	US-08-791-347-1	Sequence 1, Appl1
5	604.4	9.8	1512	US-08-645-900A-3	Sequence 3, Appl1
6	604.4	9.8	1512	US-08-882-238A-3	Sequence 3, Appl1
7	604.4	9.8	1512	US-08-667-790A-3	Sequence 3, Appl1
8	601.8	9.8	1509	US-08-791-347-2	Sequence 2, Appl1
9	556.6	9.0	1868	PCT-US95-14024-2	Sequence 2, Appl1
10	556.6	9.0	1869	PCT-US95-14024-2	Sequence 2, Appl1
11	556.6	9.0	1869	US-08-336-235A-2	Sequence 2, Appl1
12	519.6	8.4	1491	US-08-649-432-2	Sequence 2, Appl1
13	519.6	8.4	1491	US-08-336-235A-3	Sequence 3, Appl1
14	519.6	8.4	1491	US-08-649-432-3	Sequence 3, Appl1
15	519.6	8.4	1491	PCT-US95-14024-3	Sequence 3, Appl1
16	519.6	8.4	1491	PCT-US95-14024-3	Sequence 3, Appl1
17	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
18	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
19	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
20	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
21	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
22	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
23	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
24	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
25	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1
26	519.6	8.4	1491	US-08-791-347-15	Sequence 15, Appl1

27	164.6	2.7	6769	6	PCT-US95-10220-20	Sequence 20, Appl1
28	163.6	2.7	4823	4	US-08-457-254-5	Sequence 5, Appl1
29	163.6	2.7	4823	4	US-08-484-257-20	Sequence 20, Appl1
30	163.6	2.7	4823	5	US-08-999-927-5	Sequence 5, Appl1
31	163.6	2.7	4823	6	PCT-US94-08606-28	Sequence 28, Appl1
32	163.6	2.7	4823	6	PCT-US95-01829-5	Sequence 5, Appl1
33	163.6	2.7	4823	6	PCT-US95-16626-5	Sequence 5, Appl1
34	163.2	2.6	3035	2	US-08-726-725-2	Sequence 2, Appl1
35	162.6	2.6	2002	4	US-08-715-202A-3	Sequence 3, Appl1
36	162.4	2.6	2477	1	US-08-429-742-1	Sequence 1, Appl1
37	162.2	2.6	7676	2	US-08-451-777A-7	Sequence 7, Appl1
38	162.2	2.6	7676	3	US-08-451-778A-7	Sequence 7, Appl1
39	162.2	2.6	7676	3	US-08-998-208-7	Sequence 7, Appl1
40	162.2	2.6	7676	6	PCT-US95-06743-7	Sequence 7, Appl1
41	161.6	2.6	246240	3	US-08-724-394A-20	Sequence 20, Appl1
42	161.6	2.6	246240	3	US-08-724-394A-21	Sequence 21, Appl1
43	161.6	2.6	246240	3	US-08-724-394A-22	Sequence 22, Appl1
44	160.8	2.6	3011	1	US-07-821-716-1	Sequence 1, Appl1
45	160.6	2.6	176373	5	US-09-128-155-17	Sequence 17, Appl1

ALIGNMENTS

RESULT 1
US-08-645-900A-2
; Sequence 2, Appl1 US/08645900A
; Patent No. 5849879
; GENERAL INFORMATION:
; APPLICANT: NGUYEN, THAI D.
; APPLICANT: POLANSKY, JON R.
; APPLICANT: HUANG, WEIDONG
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
; TITLE OF INVENTION: GLAUCOMA
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWREY & SIMON
; STREET: 1299 PENNSYLVANIA AVE., N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: US
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/645,900A
; FILING DATE: 14 MAY 1996
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: MARSH, DAVID
; REGISTRATION NUMBER: 41,408
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 383-7451
; TELEFAX: (202) 383-6610
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1999 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-645-900A-2

Query Match 10.4% Score 640.4: DB 3: Length 1999;
Best Local Similarity 99.8% Pred. No. 1.5e-147;
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 5301 agagcttcacagagagcctcagctcgtcaggttcctcgtcagcttc
|||||

```
Db 1 AGAGCTTCCAGAGAAAGCTCTACCAACCTCTGCAATGAGTTCTTCTGTGACGTTTC 60
Oy 5361 tgcagcttgggcttgagatgcagctgtccagctgctgctcggcctgctgctggtg 5420
Db 61 TGCAGCTTGGGCTTGGAGATGCGAGCTCCAGCTGCTGCTTCTGCTGCTGCTGCTGCTG 120
Oy 5421 gatgtgggggccaagagacagcctcagctcagagaaagccaatgacagagctgagctg 5480
Db 121 GATGTGGGGGGCCAGAGACAGCTCAGCTCAGAGAAAGGCAATGACAGAGTGGCGATGCCAG 180
Oy 5481 tatacctcagtggtgagctgcccataatgatacagctgtccagagcagagccagctg 5540
Db 181 TATACCTTCACTGTGGCCAGTCCCATATGATCAGCTCCAGAGACAGAGCCAGCCATG 240
Oy 5541 tcagtcacccaacttaccagagagacagcagcagcagcagcagcagcagcagcagcagc 5600
Db 241 TCAGTCATCTTAACCTTACAGAGACAGACAGACACCCAGCTTATGACCTTGAGGCCACC 300
Oy 5601 aaagctcagctcagctcctctgagagcctcctcagcagcagcagcagcagcagcagc 5660
Db 301 AAAGCTGACACAGCTCCTCTGGAGAGCTCCTCTCCACCAATGACCTTGAGCCAGCTGCC 360
Oy 5661 aggcgccagagacccagagagggctgcaagagggagctggcagccctgagcgaggagc 5720
Db 361 AGGCCCCAGAGACCCAGAGAGGGGCTGCAAGGGAGCTGGGCACTTGAGCGGAGCGG 420
Oy 5721 gaccagctgagaaacccagagagagtgagagagctgctcagcagcagcagcagcagc 5780
Db 421 GACCACTGGAACCCAGAGAGAGAGTGGAGACTGCTTACAGCACTCTCTCCAGAC 480
Oy 5781 aagtcagctcagagagagagagagagcagcagcagcagcagcagcagcagcagcagc 5840
Db 481 AAGTCAGTTCGAGAGAGAGAGAGAGAGCTAAGGCAAAATGACAACTGGCCAGG 540
Oy 5841 aggttgagagagcagcagcagaggttagcagagctgagagagggcagctgtcccaagc 5900
Db 541 AGGTTGGAAGACAGAGAGAGAGTGAAGCTGAGAGAGGGGCGAGTGTCCAGAC 600
Oy 5901 cgagacagctgctgggctgtgcccagcagcagcagcagcagcagcagcagcagc 5942
Db 601 CGAGACACTGCTGGGCTGTGCTCCAGCAGGCTCCAGAGAGATT 642

RESULT 2
US-08-882-238A-2
; Sequence 2, Application US/08882238A
; Patent No. 5834415
; GENERAL INFORMATION:
; APPLICANT: NGUYEN, THAI D.
; APPLICANT: POLANSKY, JON R.
; APPLICANT: HUANG, WEIDONG
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
; TITLE OF INVENTION: GLAUCOMA
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOMREY & SIMON
; STREET: 1299 PENNSYLVANIA AVE., N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: US
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,238A
; FILING DATE: 25 JUNE 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MARSH, DAVID
; REGISTRATION NUMBER: 41,408
```

```
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 383-7451
; TELEFAX: (202) 383-6610
; INFORMATION FOR SPO ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1999 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-882-238A-2

Query Match
Best Local Similarity 99.8%; Score 640.4; DB 3; Length 1999;
Matches 64; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 5301 agagcttccagagagagcctcaccagcctctgcaatgaggtctctctgtgcaagctgc 5360
Db 1 AGAGCTTCCAGAGAAAGCTCTACCAACCTCTGCAATGAGTTCTTCTGTGACGTTTC 60
Oy 5361 tgcagcttgggcttgagatgcagctgtccagctgctgctcggcctgctgctggtg 5420
Db 61 TGCAGCTTGGGCTTGGAGATGCGAGCTCCAGCTGCTGCTTCTGCTGCTGCTGCTGCTG 120
Oy 5421 gatgtgggggccaagagacagcctcagctcagagaaagccaatgacagagctgagctg 5480
Db 121 GATGTGGGGGGCCAGAGACAGCTCAGCTCAGAGAAAGGCAATGACAGAGTGGCGATGCCAG 180
Oy 5481 tatacctcagtggtgagctgcccataatgatacagctgtccagagcagagccagctg 5540
Db 181 TATACCTTCACTGTGGCCAGTCCCATATGATCAGCTCCAGAGACAGAGCCAGCCATG 240
Oy 5541 tcagtcacccaacttaccagagagacagcagcagcagcagcagcagcagcagcagcagc 5600
Db 241 TCAGTCATCTTAACCTTACAGAGACAGACAGACCCAGCTTATGACCTTGAGGCCACC 300
Oy 5601 aaagctcagctcagctcctctgagagcctcctcagcagcagcagcagcagcagcagcagc 5660
Db 301 AAAGCTGACACAGCTCCTCTGGAGAGCTCCTCTCCACCAATGACCTTGAGCCAGCTGCC 360
Oy 5661 aggcgccagagacccagagagggctgcaagagggagctggcagccctgagcgaggagc 5720
Db 361 AGGCCCCAGAGACCCAGAGAGGGGCTGCAAGGGAGCTGGGCACTTGAGCGGAGCGG 420
Oy 5721 gaccagctgagaaacccagagagagtgagagagctgctcagcagcagcagcagcagcagc 5780
Db 421 GACCACTGGAACCCAGAGAGAGAGTGGAGACTGCTTACAGCACTCTCTCCAGAC 480
Oy 5781 aagtcagctcagagagagagagagagcagcagcagcagcagcagcagcagcagcagcagc 5840
Db 481 AAGTCAGTTCGAGAGAGAGAGAGAGAGCTAAGGCAAAATGACAACTGGCCAGG 540
Oy 5841 aggttgagagagcagcagcagaggttagcagagctgagagagggcagctgtcccaagc 5900
Db 541 AGGTTGGAAGACAGAGAGAGAGTGAAGCTGAGAGAGGGGCGAGTGTCCAGAC 600
Oy 5901 cgagacagctgctgggctgtgcccagcagcagcagcagcagcagcagcagcagc 5942
Db 601 CGAGACACTGCTGGGCTGTGCTCCAGCAGGCTCCAGAGAGATT 642

RESULT 3
US-08-667-790A-2
; Sequence 2, Application US/08667790A
; Patent No. 5861497
; GENERAL INFORMATION:
; APPLICANT: NGUYEN, THAI D.
; APPLICANT: POLANSKY, JON R.
; APPLICANT: HUANG, WEIDONG
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
; TITLE OF INVENTION: GLAUCOMA
; NUMBER OF SEQUENCES: 3
```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/667,790A
FILING DATE: 21 JUNE 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-667-790A-2

```

Query Match 10.4%; Score 640.4; DB 3; Length 1999;

Best Local Similarity 99.8%; Pred. No. 1.5e-147; Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY 5301 agagccttcagaaggaagcctcccaagcctctgcaatggaagttctctctgtgacgttgc 5360
DB 1 AGAGCTTTCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGTTCTTGTGACGTTGC 60
QY 5361 tgaagccttggcctgagatgcagctgtccagctgtctgtcttctgacctgtgtgtg 5420
DB 61 TGCAGCTTGGCGCTGAGATGCAGCGTGTCCAGCTGCTGCTTGGCGCTGCTGCTGTGG 120
QY 5421 gatgtggggccaggagacgtcagctcagaagaagccaatgacagagttggccgtacag 5480
DB 121 GATGTGGGGCCAGGACAGCTCAGACTCAGAAAGCCAAATGACCAAGTGGCGCGATGCCAG 180
QY 5481 tataccttgagttgtgacagttcccaatgaaatccagctgtcccaagagcagagccagcatg 5540
DB 181 TATACCTTCACTGTGGCTGCTCCCAATGAATCCAGCTGCCAGAGCAGAGCCAGCCATG 240
QY 5541 tcagtcataactatacagagagagacagcagcccaagcgttagaacttggagggcacc 5600
DB 241 TCAGTATCATTAATACTACAGAGAGACAGACGCCAACGCTTAGACCTGGAGGCCACC 300
QY 5601 aaagcttgactcagctccctctggagagcctcctccaatgtgaccttggaccaggtgcc 5660
DB 301 AAAGCTTGACTCAGCTCCCTGGAGAGCCTCTCCACCAATTGACTTGGACAGAGCTGCC 360
QY 5661 agggcccaagagagcccaagagggggtctcagaagagagcttggccaccctcgagagcgag 5720
DB 361 AGGCCCCAGAGAGACCCAGAGAGGGGCTCCAGAGGAGCTGGGCACTGAGGCGGAGCGG 420
QY 5721 gaccagctggaaacccaacacagagagttggagactgctaagcaaacctctctccgagac 5780
DB 421 GACCAGCTGGAACCCAAACACAGAGAGTGGAGACTGCTACACCACTCTCTCCGAGAC 480
QY 5781 aagtcagcttcgagagagagagagagcagactaagcagaagaaatggagaatctgccaag 5840
DB 481 AAGTCAGCTTCGAGAGAGAGAGAAAGCAGACTAAGGCAAGAAATGAGAAATCTGGCCAGG 540
QY 5841 aggttgtaaaagcagcagcagagaggttagcaaggtctggaagagggccagttgcccaagac 5900

```

```

DB 541 AGGTGAAAGCAGACGACCCAGAGAGTAGCAAGCTGAGAAAGGGCCAGTGTCCCAAGACC 600
QY 5901 cgaagacacgtctggggtgtgtccaccagagctcagaagaagt 5942
DB 601 CGAGACACTGCTGTGGGCTGTGCCACCAGCGCTCCAGAGAAAGTT 642

```

RESULT 4

```

US-08-791-347-1
Sequence 1, Application US/08791347
Patent No. 5885776
GENERAL INFORMATION:
APPLICANT: Stone, Edwin M.
APPLICANT: Sheffield, Val C.
APPLICANT: Alward, Wallace L.M.
TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOWE & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,347
FILING DATE: 30-JAN-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: UIA-010.26
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-7000
TELEFAX: 617-832-1000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1985 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-791-347-1

```

Query Match 10.4%; Score 638.8; DB 3; Length 1985;

Best Local Similarity 95.9%; Pred. No. 3.6e-147; Matches 655; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

```

QY 5299 gcagagcttcacagagaaagcctcacaaagcctctgcaatgaaagttcttgtgacggt 5358
DB 30 GNAAGCTTTCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGAGTTCTTGTGACAGTT 89
QY 5359 gctgcaagcttgggctctgagatcagaagctgtccagctgtctcttggcctgtgctgtg 5418
DB 90 GCTTCAGACTTGGGCTCTGAGATGCGCACTGTCCAGCTGCTGCTTGGCTGCTGTGT 149
QY 5419 ggaatgtgggggccaagagacagctcagctcagaagggccaaatgacagagttgacgatgcc 5478
DB 150 GGAGTGTGGGGCCAGAGCAGCTCAGCTCAGAAAGCCAAATGACCAAGTGGCCGATGCC 209
QY 5479 agcataccttcagtggtggccaagtcaccaatgaaatccagctgtgccaagggcagaagcca 5538
DB 210 AGTATACCTTCACTGTGGCCAGTCCCAATGAAATTCAGCTGCCAGAGCAGAGCCAGGCCA 269
QY 5539 tgtacatcatalcataactatacagagagacagcagccaccaagcgttagaccttgagagcca 5598

```


SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/882.238A
FILING DATE: 25 JUNE 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1512 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-882-238A-3

Query Match 9.8%; Score 604.4; DB 3; Length 1512;
Best Local Similarity 99.8%; Pred. No. 8.6e-139;
Matches 605; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 5337 atgaggtctctctgacagcttgcagccttgggagctgagatgccagctgccaagctg 5396
Db 1 ATGAGGTTCTTGTGACAGCTTGCTGCACTTTGGGCTTGAGATGCCAGCTGCCAGCTG 60
Oy 5397 ctgctcttgagcctgctggtggtgagatgtggtgggagccagagacagctcagagagcc 5456
Db 61 CTGCTTCTGGCCTTGCTGCTGATGTGGATGTGGGGCCAGAGACAGCTCAGACTCAGGAAGCC 120
Oy 5457 aatgacccagatgagcagatgacagatatacctcagtggtgccaagtcccaatgaaccagc 5516
Db 121 AATGACCAAGAGTGGCCGAGTACATACCTTCAGTGTGGCCAGTCCCAATGAATGCACG 180
Oy 5517 tggccagagcagagcagagcagatgcatcatcatcaactcaactcaagagagagcagagc 5576
Db 181 TGCCAGAGCAGAGCCAGGCCATGTCACTCATCACTTACAGAGACAGCAGCAGC 240
Oy 5577 caagccttagacctgagagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 5636
Db 241 CAAGCCTTAGACCTTGAGAGCCAGCAAGCTCAGCTCCTGAGAGCCTCCCTCCAGC 300
Oy 5637 caattgaccttgagcagagctgagcagagccagagagagccagagagagctgagagagag 5696
Db 301 CAATTGACCTTGAGACAGCTGCCAGGCCCCAGGAGACCCAGAGAGGCTGCAGAGAGGAG 360
Oy 5697 ctgggacacccctgagcagagcagagcagcagcagcagcagcagcagcagcagcagcagc 5756
Db 361 CTGGGACACCTTAGGCGGGAGGGGACAGCTGGAAACCAACAGAGATTGGAGCT 420
Oy 5757 gctcagcagcaacctctcctcagagacagctcagctcagctcagctcagctcagctcagc 5816
Db 421 GCTTACAGCAACTCTCTCCGACACAAGTCTTGAGAGAGAGAGAGAGAGAGAGAGAGAG 480
Oy 5817 caagaataatgagaatctgagcagagagctggaagcagcagcagcagcagcagcagcagc 5876
Db 481 CAAGAATAATGAGAATCTGCGCCAGAGAGTGGAAAGCAGCAGCAGCAGCAGCAGCAGCAG 540
Oy 5877 agaaagggcagctgctcagcagagcagcagcagcagcagcagcagcagcagcagcagcagc 5936
Db 541 AGAAAGGGCAGTGTCTCCAGAGCCGAGACCTGCTGGGGCTGTGCTCAGCAGCAGCTCCAGA 600
Oy 5937 gaaggt 5942
Db 601 GAACTT 606

RESULT 7
US-08-667-790A-3
Sequence 3, Application US/08667790A

Patent No. 5861497
GENERAL INFORMATION:
APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
TITLE OF INVENTION: GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 21 JUNE 1996
APPLICATION NUMBER: US/08/667,790A
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1512 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-667-790A-3

Query Match 9.8%; Score 604.4; DB 3; Length 1512;
Best Local Similarity 99.8%; Pred. No. 8.6e-139;
Matches 605; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 5337 atgaggtctctctgacagcttgcagccttgggagctgagatgccagctgccaagctg 5396
Db 1 ATGAGGTTCTTGTGACAGCTTGCTGCACTTTGGGCTTGAGATGCCAGCTGCCAGCTG 60
Oy 5397 ctgctcttgagcctgctggtggtgagatgtggtgggagccagagacagctcagagagcc 5456
Db 61 CTGCTTCTGGCCTTGCTGCTGATGTGGATGTGGGGCCAGAGACAGCTCAGACTCAGGAAGCC 120
Oy 5457 aatgacccagatgagcagatgacagatatacctcagtggtgccaagtcccaatgaaccagc 5516
Db 121 AATGACCAAGAGTGGCCGAGTACATACCTTCAGTGTGGCCAGTCCCAATGAATGCACG 180
Oy 5517 tggccagagcagagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 5576
Db 181 TGCCAGAGCAGAGCCAGGCCATGTCACTCATCACTTACAGAGACAGCAGCAGC 240
Oy 5577 caagccttagacctgagagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 5636
Db 241 CAAGCCTTAGACCTTGAGAGCCAGCAAGCTCAGCTCCTGAGAGCCTCCCTCCAGC 300
Oy 5637 caattgaccttgagcagagctgagcagagccagagagagccagagagagctgagagagag 5696
Db 301 CAATTGACCTTGAGACAGCTGCCAGGCCCCAGGAGACCCAGAGAGGCTGCAGAGAGAG 360
Oy 5697 ctgggacacccctgagcagagcagagcagcagcagcagcagcagcagcagcagcagcagc 5756
Db 361 CTGGGACACCTTAGGCGGGAGGGGACAGCTGGAAACCAACAGAGATTGGAGCT 420
Oy 5757 gctcagcagcaacctctcctcagagacagctcagctcagctcagctcagctcagctcagc 5816

Db 421 GCGTACAGCAACCTCTCCGAGACAGTCTGAGAGAAAGAAAGCACTAAG 480
QY 5817 caagaaatgaaatctcggccagagagttggaaagcagccaggggtagcaagctg 5876
Db 481 CAAGAAATAGATGATCTGGCCAGAGAGTTGCAAGCAGCAGGAGTAAGCAAGCTG 540
QY 5877 agaagggccagtgctcccgagaccgagacagctcggggtctgtccaccagagctcaga 5936
Db 541 AGAAGGGCCAGTCTCCCGAGACCCGAGACACTGCTGGGCTGTGCCACCAAGCTCCAGA 600
QY 5937 gaaggt 5942
Db 601 GAAGTT 606

RESULT 8
US-08-791-347-2
Sequence 2, Application US/08791347
Patent No. 5885776
GENERAL INFORMATION:
APPLICANT: Stone, Edwin M.
APPLICANT: Sheffield, Val C.
APPLICANT: Alward, Wallace L.M.
TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HONG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,347
FILING DATE: 30-JAN-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: UIA-010.26
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1509 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-791-347-2

Query Match 9.8%; Score 601.8; DB 3; Length 1509;
Best Local Similarity 95.8%; Pred. No. 3,7e-138;
Matches 618; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 5337 atgaagttctctgtgcaagttcgtcagctttgggacctgaagatccagctgtccagctg 5396
Db 1 ATGAGGTTCTTCTGTGACCTTCTCCAGCTTGGGCTGAGATGCCAGCTGTCCAGCTG 60
QY 5397 ctgctctgcccgcgcgcgggtgtggagatgtggggccagggcaactagctcaagaagggcc 5456
Db 61 ctgcttcttgccctgctggtgtggagatgtggggccagggcaactagctcaagaagggcc 120
QY 5457 aatgaccagagtgccgagatgccatatactcagtgtagccagctcccaatgaatccagc 5516

Db 121 AATGACAGAGTGCGCGATGCCAGTATACCTTCAAGTGTGGCCAGTCCATGATCAG 180
QY 5517 tgcacagagagagccagagccatgcatcattcaacttaagagagacagcagacc 5576
Db 181 TGCCAGAGCAGAGCAGGCGCATGTCAATCACTTACATAGAAACAGACAGCAGC 240
QY 5577 caacgcttaagcttgtagggccacaaagctcgaactcagctcccttgtagagagctccctccac 5636
Db 241 CAACGCTTAGACTTGAGGCGCACCAAGCTCGACTACGCTCCTGGAGAGCTCTCTCCAC 300
QY 5637 caatgaccttgagccagagctgccaagggccccaagagagaccgaaggggtctgcaagagag 5696
Db 301 CAATTGACCTTGGACAGGCTGCGACAGCCCGCAGAGAGACCAGAGGGGCTGACAGAGAG 360
QY 5697 ctgggcaaccttgagggcgagagcgagccagctgtgaaaccccaagagagttggagact 5756
Db 361 CTGGGCACTCTGAGGGCGGAGCGGACAGCTGGAAACCAACAGAGATTGGAGACT 420
QY 5757 gctacagcaacctctctcgaagcaagtcagttctggaagaaagagaaagcgaactaag 5816
Db 421 GCGTACAGCAACCTCTCCGAGACAGTCACTTCTGGAGAGAGAGAAAGCAGCTAAG 480
QY 5817 caagaaatgaaatctcggccagagagttgaaagcagcagccagagagtgagcaagctg 5876
Db 481 CAAGAAATAGATGATCTGGCCAGAGAGTTGAAACAGCAGCAGCAGAGGTAGCAAGGCTG 540
QY 5877 agaagggccagtgctcccgagaccgagacagctcggggtctgtccaccagagctcaga 5936
Db 541 AGAAGGGCCAGTCTCCCGAGACCCGAGACACTGCTGGGCTGTGCCACCAAGCTCCAGA 600
QY 5937 gaagtaagaaatgcaagtgtagggagactctgaatccagcaggtga 5981
Db 601 GAAGTTCTACGTGATTTGACACTTTGGCCTTCAGAGACTGA 645

RESULT 9
PCT-US95-14024-2
Sequence 2, Application PC/TUS9514024
GENERAL INFORMATION:
APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/14024
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JEFFREY I
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

```

; MOLECULE TYPE: CDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: TIGR
;
PCT-US95-14024-2

```

Query Match	9.0%;	Score 556.6;	DB 6;	Length 1968;
Best Local Similarity	94.6%;	Pred. No. 5.2e-127;		
Matches 609; Conservative	0;	Mismatches 5;	Indels 30;	Gaps 2

OY	5399	gcaaaagcttcccaaggaagcccaacaaagcctctgaatgaagtctctctctgtgaagct	5358
Db	31	gnaagctttccagaggaagacccttcaccaaacctcttcgaatgaagttctcttgacatt	90
OY	5399	gcctgcaagccttbgagccttgagatgcacagctctgtccagctgtgctctctctgtgctgtgtc	5418
Db	91	gcttcacacttttgagccctggaatgaccagctcttcacgtgctgttcgagctcctgtggt	150
OY	5419	ggagttgtggggggcccaagaaagcttcagcttcagagaagccaatgaaaccaagatgtgcgaatgc	5478
Db	151	gggattgtggggggccagagacagcttcagcttcagagaagccaatgaaaccaagatgtgcgaatgc	210
OY	5479	agataaaccttcagctgtgtgcacagtcgccaatgaatcacaagcttgcaccaagagcagagcagcca	5538
Db	211	agatattacttcagctgtgtgcagtcgccaatgaatcacaagcttgcaccaagagcagagcagcca	270
OY	5539	tgctacatcatcabaactctacagagagacagcagccacaagctctagaaccttgagagcca	5598
Db	271	tgctacatcatcacaattacattacagagagacagcagccacaagcttgcagcttgagagagcca	330
OY	5599	ccaaagcttcagactcagcttcctctggagaagcctctccacaatttgaccttgagccagagtg	5658
Db	331	ccaaagcttcagactcagcttcctctggagaagcctctccacaatttgaccttgagccagagtg	390
OY	5659	ccaaagccccaagagaaccagagagagagctgcagagagagacttgagcacaccttgaaagcagagac	5718
Db	391	ccaaag-cccaagagacccacag-----gaagccggagac	420
OY	5719	ggagccagctctggaaaccacaacagagagtttgagaagctcctacagcaaacctctccag	5778
Db	421	gggagccagcttgaaaccacaacagagagtttgagaagctcctacagcaaacctctccag	480
OY	5779	acaaagtcagttcttgagagagaagaagaagcgaactaagcagaagaaaaatgaaatcttgcgca	5838
Db	481	acaaagtcagttcttgagagagaagaagaagcgaactaagcagaagaaaaatgaaatcttgcgca	540
OY	5839	ggagagtttgaaaaagcagcagccagagagttagcaagccttgaaagagagagcagctgtcccgaa	5898
Db	541	ggagagtttgaaaaagcagcagccagagagttagcaagccttgaaagagagagcagctgtcccgaa	600
OY	5899	ccgagagacactgctcggcctcgtgcaccccaagctccagagaaagct	5942
Db	601	cccagagacactgctcggcctcgtgcacacagcctccagagaaagtt	644

RESULT 10
 US-08-235A-2
 ; Sequence 2, Application US/08336235A
 ; Patent No. 5606043
 ; GENERAL INFORMATION:
 ; APPLICANT: NGUYEN, THAI D.
 ; APPLICANT: POLANSKY, JON R.
 ; APPLICANT: HUANG, WELDONG
 ; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA
 ; NUMBER OF SEQUENCES: 3
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HOWEY & SIMON
 ; STREET: 1299 PENNSYLVANIA AVE., N.W.
 ; CITY: WASHINGTON
 ; STATE: D.C.
 ; COUNTRY: US

```

1      ZIP: 20004
2
3      COMPUTER READABLE FORM:
4
5      MEDIUM TYPE: Floppy disk
6      COMPUTER: IBM PC compatible
7      OPERATING SYSTEM: PC-DOS/Ms-DOS
8      SOFTWARE: Patentn Release #1.0, Version #1.25
9
10     CURRENT APPLICATION DATA:
11
12     APPLICATION NUMBER: US/08/336,235A
13
14     FILING DATE:
15
16     CLASSIFICATION: 536
17
18     ATTORNEY/AGENT INFORMATION:
19
20     NAME: AUERBACH, JEFFREY I
21     REGISTRATION NUMBER: 32,680
22     TELECOMMUNICATION INFORMATION:
23     TELEPHONE: (202) 383-7451
24     TELEFAX: (202) 383-6610
25
26     INFORMATION FOR SEQ ID NO. 2:
27
28     SEQUENCE CHARACTERISTICS:
29
30     LENGTH: 1969 base pairs
31     TYPE: nucleic acid
32     STRANDEDNESS: double
33
34     TOPOLOGY: linear
35
36     MOLECULE TYPE: cDNA
37
38     HYPOTHETICAL: NO
39
40     ANTI-SENSE: NO
41
42     IMMEDIATE SOURCE:
43
44     CLONE: TIGR
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
```

Query Match	9.08;	Score 556.6;	DB 1;	Length 1969;
Best Local Similarity	94.68;	Pred. No. 5.2e-127;		
Matches 609;	Conservative 0;	Mismatches 5;	Indels 30;	Gaps 2

Oy	5259	gcaagcttccagagaaacccacacaagccctcacaatgagttctctctgtgaact	5358
Db	31	GNAAAGCTTCCAGAGGAACCTCCACCAAGCCTCTGCATAGAGTTCTTCTGTGACGTT	90
Oy	5359	gctcagactctvggcccgcgaatctccagctctgcagctctgtctctctgcctgcctgct	5418
Db	91	GCTGACACTTTGGGCCCTGGAATCCAGACTCTCAGTGTGCTTCTGGCTTCCTGGTGT	150
Oy	5419	gggaatctvggggccaagacagctcagctcaagaaagccaaatgacagaatctgccaatgc	5478
Db	151	GGGATGTGGGGGCCAGACAGCTCACCTCAGAGAGGCCATGACAGATGGCCGATGCC	210
Oy	5479	agttaccttcagatgtgagcagctcccaatgaaatcccaagctgcgcacagacagagccagcgca	5538
Db	211	AGTTACCTCTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCACAGCGACCGAGGCCA	270
Oy	5539	tgtacatcatcataaacttaacagagacagacagcccccaacgctctaaagctctgagcgcca	5598
Db	271	TGTCACTCATCCAAATTTACAGAGACAGCAGCACCACAGCTTAAGCTGTGAGGCCA	330
Oy	5599	ccaaagctcgaactcagctctccctgagaaagcctctcccaaatltgaactctgagccagctgt	5658
Db	331	CCAAAGCTCGACTCAGCTCCCTCGAGAGCCTCCTCCACCAATTTGACTGTGCACAGGCTG	390
Oy	5659	ccagagccccagagaaacccagagagggctctcagaaggaagctctggcaaccctcgagcgagagc	5718
Db	391	CCAGG-CCCAAGGAACCCAA-----GAGGCGGGAGC	420
Oy	5719	gggacacagctgaaacccaacacagagagtttgagacctgctacagacaactctctccag	5778
Db	421	GGGACACAGCTGTGAAACCCAAACCAAGAGTTGAGAGCTCCTTACAGCAACCTCTCTCGAG	480
Oy	5779	acaaatcagttctctgaggaagaaagacgacataagccaagcaaaaaatgaatctctgcca	5838
Db	481	ACAAGTCAGTTCTGAGAGAGAGAAAGAGAGACTAAGCACAATAATGAGATCTGCGCA	540
Oy	5839	ggaagttctggaagacagacccaagaggtctgcaagctctgaaaggggccaagtgtctccca	5898
Db	541	GGAGGTTGGAAGACGACGCCAGAGAGTGAACAAGCTGTGAAGAGGGCCAGTGTCCCACTA	600

QY 5899 cccgagacactctcggtctgtgcccacagagctccagagaagt 5942
|||||
Db 601 CCCGAGACACTGCTCGGCTGTGCCACACAGGCTCCAGAGAGTT 644

RESULT 11

US-08-649-432-2
; Sequence 2, Application US/08649432
; Patent No. 5789169

GENERAL INFORMATION:

APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/649,432
FILING DATE: 17-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/336,235
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: AUERBACH, JEFFREY I
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

IMMEDIATE SOURCE:

CLONE: TIGR

US-08-649-432-2

Query Match 9.0%; Score 556.6; DB 2; Length 1969;
Best Local Similarity 94.6%; Pred. No. 5.2e-127;

Matches 609; Conservative 0; Mismatches 5; Indels 30; Gaps 2;

QY 5399 gcagagcttccagagagagcctcaacagcctctgcaatgagttcttctgtgcaagt 5338
|||||

Db 31 GNAAGAGCTTCCAGAGAGAGCCTCACCAAGCCTCTGCAATGAGGTTCTTGTGCACGTT 90
|||||

QY 5359 gctcagacttggtggtccttgaatgctcagctgtcagctgtctcttgcctgctggtgt 5418
|||||

Db 91 GCTCAGACTTTGGGCTGAGATGCCAGCTGTCCAGCTCTCTGCTTGTGCTGCTGCTGTGT 150
|||||

QY 5419 ggaatgtgtggtggtcagagacactcagctcagagaggtccaatgacagagttggtccatgtcc 5478
|||||

Db 151 GGATGTGGGGCCAGAGACAGCTCAAGTCAAGAGGCCAATGACAGAGTGGCCGATGCC 210
|||||

QY 5479 agtatacctagtgtgtgctcagctcccaatgaatccagctgcccagagagagccagagcca 5538
|||||

Db 211 AGTATACCTTCACTGATGTGGCCAGTCCCAATGATCCAGCTGCCACAGACAGCCAGGCCA 270
|||||

QY 5539 tgtacatcatccataacttatacagagagacagacaccacacagcttagacctgtaggcca 5598
|||||

Db 271 TGTCACTCATCTCACTTACAGAGAGACAGACACCAACGCTTGAAGCTGAGAGGCCA 330
|||||

QY 5599 ccaaaagctcagactcagctcccttgagagagcctctccacaaatgaccttgagccagctg 5658
|||||

Db 331 CCAAGCTCGACTCAGCTCCCTGGAGAGCCCTCCACCAATTGACCTTGGACACAGGCTG 390
|||||

QY 5659 ccaagccccaagagaccccaagagaggtgtgcaagagaggtctggtgacccctgaggggagc 5718
|||||

Db 391 CCAGG-CCGAGAGACCCAG-----GAGGGGGAGC 420
|||||

QY 5719 ggaacagcttgaaacccaacacagagagttgagagctgctacagaaacctctccag 5778
|||||

Db 421 GGACACAGCTGGAACCCAAACAGAGAGTGGAGACTGCTTACAGCACTCTCCGAG 480
|||||

QY 5779 acaagtcagttcttgagggaagaagaagcgactcaaggcaagaatgagaatcttgcca 5838
|||||

Db 481 ACAAGTCACTCTGAGAGAGAGAGAGAGCAGCTAGGCAAGAAATGAGATCTGGCCA 540
|||||

QY 5839 ggaagtggaaagcagagcagcagaggttagcaagctgagagagggccagtgtcccca 5898
|||||

Db 541 GGAGTTGGAAGCAGCAGCCAGAGGTAGCAAGGCTGAGAGGGGCGCAGTGTCCAGTA 600
|||||

QY 5899 cccgagacactctcggtctgtgcccacagagctccagagaagt 5942
|||||

Db 601 CCCGAGACACTGCTCGGCTGTGCCACACAGGCTCCAGAGAGTT 644
|||||

RESULT 12

US-08-336-235A-3
; Sequence 3, Application US/08336235A
; Patent No. 5606043

GENERAL INFORMATION:

APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,235A
FILING DATE:

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: AUERBACH, JEFFREY I
REGISTRATION NUMBER: 32,680
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1491 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:


```

Oy 5941 gtaagaatgcagagtcgggggaactctgaagttcagcaggtgatatggctcgtagtgacctg 6000
    |||
Db 1 gtaagaatgcagagtcgggggaactctgaagttcagcaggtgatatggctcgtagtgacctg 60
    |||
Oy 6001 ctacagagcgctccagggctc---cctggcccttctcctlagagactgcacagctagacaca 6056
    |||
Db 61 ctacagagcgctccagggctc---cctggcccttctcctlagagactgcacagctagacaca 120
    |||
Oy 6057 agacagatgaattaaaggaagcaca-cgaatcacctcaagttattactagtaatttagctc 6115
    |||
Db 121 agacagatgaattaaaggaagcaca-cgaatcacctcaagttattactagtaatttagctc 180
    |||
Oy 6116 ctgagagctctcaattagatgaagtggttcagaggttcttgccccctccatgctcag 6169
    |||
Db 181 ctgagagctctcaattagatgaagtggttcagaggttcttgccccctccatgctcag 234
    |||

```

Search completed: December 3, 2000, 19:00:01
 Job time: 41727 sec

